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CONCEASION POR: Assistant Director/Lapoarch and Reports

FROM:

Analytent Lirector/Scientific in Listace

Request for Geographic Study of the USIR of Areas Most Dusceptible and Jeast Susceptible to Attempted Concentration Underground Buclear Tests

1. This semo confirms a conversation between your office and of this office 22 June 1919.

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- 25X1A9a 2. As part of this Agency's support to current peritation for a controlled nuclear test moraturium we are required to advise the Inter-Agency Working Group on Disarmament, as well as interested Advisory Panels of the President's Science Advisory Committee, on the support U. S. intelligence can provide to the detection and identification of concealed w derground nich ar tests.
- Currently an effort is being made to determine the i policy position on the devict proposal that a quota of on-city inspections be allowed each side annually to investigate unidentified seismic events suspicious of being concealed, underground nuclear explosions.
- One obvious contribution that U. S. intelligence an this to this determination, as well as to the subsequent shain structuo of any such quota system, is an evaluation of the areas in the USER which may tend to proclude or to facilitate attempted concealed underground nuclear tests. Such an evaluation, for example, would define and plot the following factors
  - Population density
  - Halt domes or thick-bedded salt formations
  - Ulimate (to include perms-frost areas and ground water problems)
  - d. Vast marsh areas and other areas where hir lear sest logistics may be impracticable
  - e. Mining areas and deep, ahandoned tunnels
  - Doop lakes
  - Officially closed areas
  - Seismic and assismic areas.



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- Les and the Perther study of this problem may reveal
- of such factors be prepared for use 1 July 1959, and that a more detailed study of this problem be undertaken in collaboration with this office on a long term basis.

  (ext. 2717) is evailable to assist your deographic Division in 25X1A9a this matter.

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